## WHAT IS CLAIMED IS

A foam structure for protecting a product in a package, the structure having sides and being formed to fit within the package, the structure comprising:

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a first side of the structure being formed to 5 protect the product;

a side of the structure capable of interlocking with an element to form a structural unit; and

the structural unit capable of being used as building material. 10

- The foam structure of Claim 1, wherein the 2. element comprises another foam structure.
- The foam structure of Claim 1, wherein the 15 3. element is comprised of concrete.
  - The foam structure of Claim 1, wherein the 4. element is comprised of wood.

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5. A method of protecting a product in a package using building material components, the method comprising:

placing at least one foam structure in contact with the product;

the structure having sides and being formed to fit within the package;

the structure comprising:

a first side of the structure formed to protect the product;

a side of the structure capable of interlocking with an element to form a structural unit;

the foam structure protecting the product while the product is in contact with the foam structure within the package; and

the structural unit capable of being used as building material.

- 6. The method of Claim 5, further comprising
  20 shipping the foam structures while interlocked with other
  foam structures.
- 7. The method of Claim 5, further comprising storing the foam structures while interlocked with other foam structures.
  - 8. The method of Claim 5, further comprising counting the foam structures while interlocked with other foam structures.

- 9. A packing structure comprising:
- a first part formed to fit within a package and having sides;

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- a second part formed to fit a product and having 5 sides;
  - a first side of the first part being formed to accept a first side of the second part;
  - a side of the first part capable of interlocking with an element to form a structural unit; and
- the structural unit capable of being used as building material.
- 10. The packing structure of Claim 9, wherein the first part and the second part are made of differing materials.

- 11. A packing structure comprising:
- a first part formed to fit within a package and having sides;
- a second part formed to fit a product and having 5 sides;
  - a first side of the first part being formed to accept a first side of the second part;
  - a side of the second part capable of interlocking with an element to form a structural unit; and
- the structural unit capable of being used as building material.
- 12. The packing structure of Claim 11, wherein the first part and the second part are made of differing materials.

13. A method of protecting a product in a package using building material components, the method comprising:

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joining a first part having sides to a second part to form a shipping protection element, the shipping protection element fitting within the package and protecting the product;

a side of the first part capable of interlocking with an element to form a structural unit; and

the structural unit capable of being used as building material.

14. A method of combining shipping protection structures to form building material, the shipping protection structure having a first part and a second part and the shipping protection structures protecting a product in a package, the method comprising:

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disassociating the first part from the second part; joining the first part with an element to form a structural unit; and

the structural unit capable of being used as building material. 10

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and

A structural unit capable of being used as building material, the unit being made from packing material for a product in a package, the unit comprising:

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at least two foam structures having sides, at least one of the foam structures comprising:

> at least one side formed to engage the product in the package;

a side capable of interlocking with another foam structure to form the structural unit; at least two foam structures interlocked together;

the foam structures capable of inhibiting damage to the product in the package.

- The structural unit of Claim 15, wherein the 15 16. unit comprises a portion of a construction product.
  - The structural unit of Claim 15, wherein the unit comprises a portion of a flotation product.
  - The structural unit of Claim 15, wherein the unit comprises a portion of a wall form for pourable building material.
- The structural unit of Claim 18, wherein the 25 unit comprises a portion of one side of a wall form, the unit further comprising an orifice in the unit for receiving a connector for attaching the unit to the wall.
- The structural unit of Claim 18, wherein the 20. 30 unit comprises a portion of one side of a wall form, the wall form having a second side, the unit further

comprising an orifice in the unit for receiving a connector for attaching the unit to the second side of the wall form.

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- 21. The structural unit of Claim 15, wherein the at 5 least two foam structures are secured with adhesive when interlocked to create the structural unit.
- The structural unit of Claim 15, wherein the at 22. least two foam structures are secured with a fastening 10 device when interlocked to create the structural unit.
- The structural unit of Claim 15, further 23. comprising a cavity in the unit, the cavity being filled with additional material. 15

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A structural unit capable of being used as building material, the unit being made from packing material for a product in a package, the unit comprising:

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at least one foam structure having sides and being formed to fit in the package, the foam structure comprising:

> at least one side being formed to engage the product;

a side capable of interlocking with an element to form the structural unit;

the foam structure capable of inhibiting damage to the product in the package; and

the structural unit having a conduit.

- The structural unit of Claim 24, wherein the 15 conduit is formed in the foam structure.
  - 26. The structural unit of Claim 24, wherein the conduit is formed by the interlocking of the foam structure to the element.
  - The structural unit of Claim 24, wherein the conduit is a conduit for the passage of electrical conductors.

The structural unit of Claim 24, wherein the conduit is a conduit for the passage of air.

The structural unit of Claim 24, wherein the conduit is a conduit for the passage of a fluid. 30

- 30. The structural unit of Claim 24, wherein the unit comprises a portion of a wall form for pourable building material.
- 31. The structural unit of Claim 30, wherein the unit comprises a portion of one side of a wall form, the unit further comprising an orifice in the unit for receiving a connector for attaching the unit to the wall.
- 32. The structural unit of Claim 30, wherein the unit comprises a portion of one side of a wall form, the wall form having a second side, the unit further comprising an orifice in the unit for receiving a connector for attaching the unit to the second side of the wall form.

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33. A method of creating building material from packing material for a product in a package, the method comprising:

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combining a foam structure and an element to create a structural unit capable of being used as building material;

the foam structure formed to fit within the package and having sides;

the foam structure comprising:

a first side of the structure being formed to protect the product; and

a side of the structure capable of interlocking with the element to form the structural unit.

- 15 34. The method of Claim 33, wherein the step of combining combines a first foam structure with a second foam structure.
- 35. The method of Claim 33, wherein the step of combining combines a foam structure with an element comprised of wood.
  - 36. The method of Claim 33, wherein the step of combining combines a foam structure with an element comprised of concrete.
    - 37. The method of Claim 33, further comprising including the structural unit in a construction product.
- 30 38. The method of Claim 33, further comprising including the structural unit in a flotation product.

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- 39. The method of Claim 33, further comprising including the structural unit in a wall form for pourable building material.
- 5 40. The method of Claim 39, further comprising creating an orifice in the structural unit and inserting a connector in the orifice, the connector attaching the unit to the wall.
- 10 41. The method of Claim 39, wherein the structural unit has an orifice, the method further comprising inserting a connector in the orifice, the connector attaching the unit to the wall.
- 15 42. The method of Claim 39, wherein the structural unit comprises a portion of one side of a wall form, the wall form having a second side, the method further comprising:

creating an orifice in the unit;
inserting a connector in the orifice; and
attaching the connector to the second side of the
wall form.

43. The method of Claim 39, wherein the structural unit has an orifice and comprises a portion of one side of a wall form, the wall form having a second side, the method further comprising:

inserting a connector in the orifice; and attaching the connector to the second side of the wall form.

44. The method of Claim 33, further comprising securing the foam structure and the element with adhesive.

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- 45. The method of Claim 33, further comprising 5 securing the foam structure and the element with a fastening device.
- 46. The system of Claim 33, wherein the structural unit has a cavity, further comprising filling the cavity 10 with additional material.